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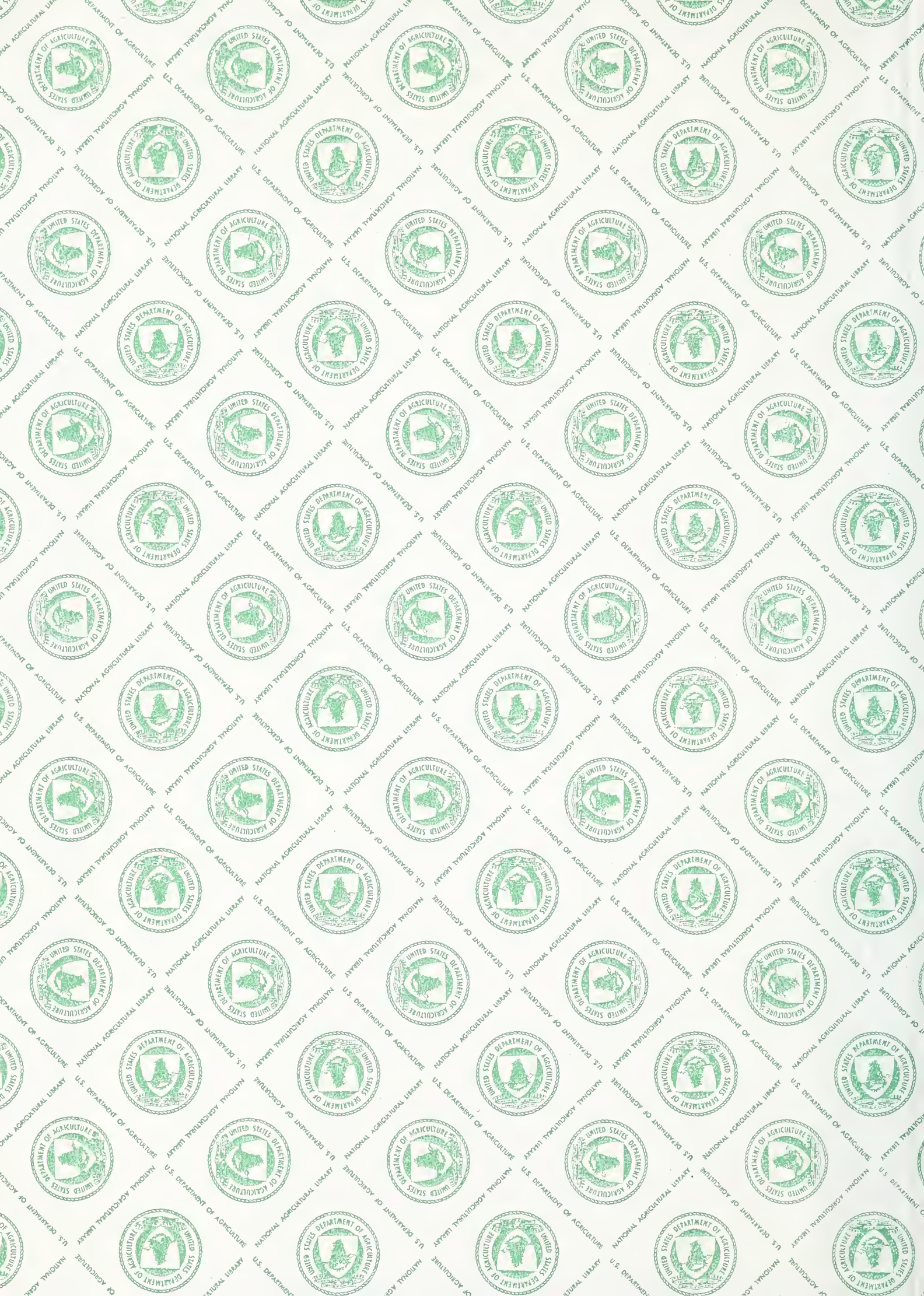
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# ***WATER SUPPLY OUTLOOK FOR IDAHO***

Prepared by

**U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE**

Collaborating with

**IDAHO STATE DEPARTMENT OF WATER ADMINISTRATION**

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Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF  
**JAN. 1, 1973**

## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

### PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

### PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



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# **WATER SUPPLY OUTLOOK FOR IDAHO**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued by*

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|||||

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|||||

*Report prepared by*

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BOISE, IDAHO 83702





# WATER SUPPLY OUTLOOK for IDAHO



## GENERAL SUMMARY FOR JANUARY 1, 1973

Snowfall to date has been variable throughout Idaho. The snowpack on the watersheds of northern Idaho from the Clearwater north are well below normal varying from a low of 27% of average on the Palouse to 78% of normal for the Clearwater. Snow accumulation on drainages across southern Idaho north of the Snake River vary from 80% of average on the Salmon River to 110% of normal on the Teton, except for the Big Wood watershed at 73%. Other drainages in this area are near normal for this time of year. Drainages south of the Snake River are slightly above to well above average with 105% on the Owyhee in Idaho to 152% of normal on the headwaters of Salmon Falls Creek in Nevada. Great Basin drainages have near normal snowpack.

Soil moisture conditions are variable throughout the state with below normal reports at low and high elevations and near average conditions at the middle elevations.

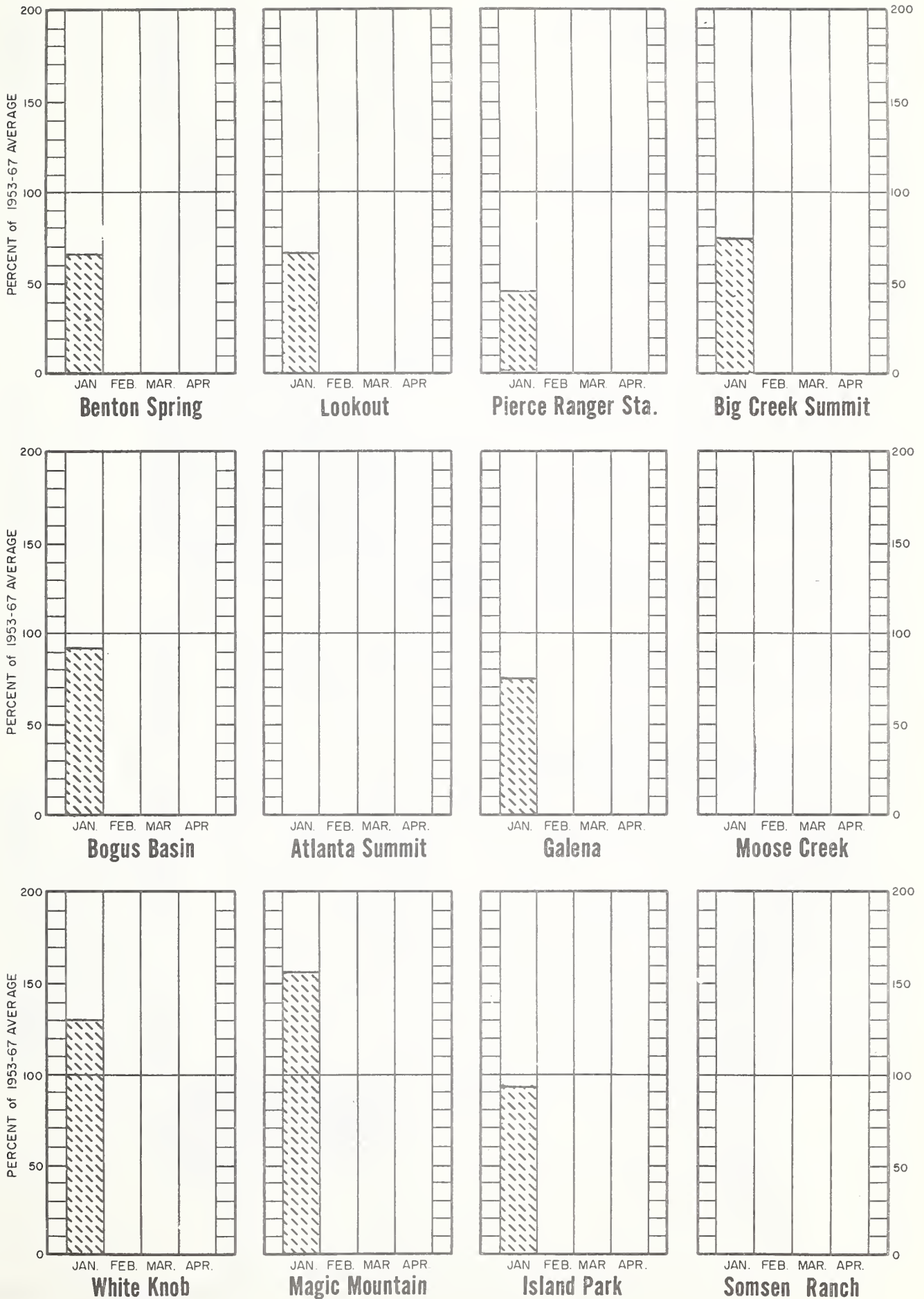
Carryover storage in the irrigation reservoirs is excellent, reflecting the heavy runoff for the past two seasons.





**SNOW WATER DEPTHS ACCUMULATION**  
**For Selected Snow Courses**  
 As Compared To 1953-67 15 Yr. Average

January 1, 1973



## COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO.OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	1953-67 AVERAGE
<u>UPPER COLUMBIA RIVER BASIN</u>			
Pend Oreille River	30	56	86
Clark Fork River	22	57	83
Flathead River	8	55	98
Priest River	3	51	49
Spokane River	2-5	39	55
<u>LOWER SNAKE RIVER BASIN</u>			
Palouse River	5	7	27
Clearwater River	4-15	47	78
Salmon River	8-19	61	80
Lemhi River	6	60	--
<u>MIDDLE SNAKE RIVER BASIN - Northside</u>			
Little Lost River	5	44	92
Big Lost River	1-3	60	131
Big Wood River	5	53	73
Boise River	4-6	55	92
Payette River	7-9	58	85
Weiser River	1	69	101
<u>MIDDLE SNAKE RIVER BASIN - Southside</u>			
Raft River	1	59	112
Salmon Falls Creek	6-9	68	152
Bruneau River	3-4	74	150
Owyhee River - Idaho	3-4	48	105
<u>UPPER SNAKE RIVER BASIN</u>			
Camas-Beaver Creeks	2	40	89
Henrys Fork River	5-6	57	98
Teton River	2-3	66	110
Blackfoot River	1	61	--
Portneuf River	2	48	--
<u>GREAT BASIN</u>			
Montpelier Creek	4	86	98
Mink Creek	1	66	110
Cub River	2	69	--





## RESERVOIR STORAGE (1,000 Ac. Ft.)

RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1953-57 AVERAGE
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	2641.0	2243.0	2766.0*
Flathead	1791.0	1399.0	1338.0	1330.0
Pend Oreille	1155.1	322.9	147.2	515.4
Noxon	334.6	323.4	317.4	321.1*
Spokane				
Coeur d'Alene	225.1	148.4	60.6	153.2
SNAKE BASIN				
Snake				
Jackson Lake	847.0	615.8	621.5	423.4
Palisades	1200.0	987.4	914.1	634.0*
American Falls	1700.0	1085.4	1273.4	1029.7
Island Park	127.0	83.0	82.8	76.2
Grassy Lake	15.2	10.1	13.5	10.2
Brownlee	980.2	784.3	877.6	773.2*
Goose-Trapper Creeks				
Oakley	74.4	41.6	37.8	11.2
Salmon Falls Creek				
Salmon Falls	182.6	92.9	79.5	19.9
Big Lost				
Mackay	44.2	30.9	27.3	25.4
Big Wood				
Magic	191.5	109.0	148.0	87.2
Little Wood				
Little Wood	30.0	14.6	20.3	8.5*
Fish Creek				
Carey Valley	14.4	1.9	7.0	--
Boise				
Anderson Ranch	423.2	320.9	347.7	250.0
Arrowrock	286.6	272.8	275.5	197.5
Lucky Peak	278.2	38.0	88.4	58.0*
Lake Lowell (Deer Flat)	169.0	114.4	129.1	93.0
Owyhee				
Owyhee	715.0	510.8	526.2	330.8
Payette				
Cascade	653.2	375.8	392.8	283.8
Deadwood	161.9	84.5	75.0	63.5
Weiser				
Mann Creek	11.1	3.3	1.7	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1135.6	1122.4	845.0
*Period of Record.				



# 7 RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

JANUARY 1, 1973

50 0 50 100 150  
SCALE IN MILES

Contents  
RESERVOIR  
Capacity

322.9  
PEND OREILLE  
1155.1

148.4  
COEUR D'ALENE  
225.1

84.5  
DEADWOOD  
161.9

375.8  
CASCADE  
653.2

784.3  
BROWNLEE  
980.2

510.8  
OWYHEE  
715.0

114.4  
LAKE LOWELL  
169.0

38.0  
LUCKY PEAK  
278.2

272.8  
ARROWROCK  
286.6

320.9  
ANDERSON RANCH  
423.2

323.4  
NOXON  
334.6

2641.0  
HUNGRY HORSE  
3428.0

1399.0  
FLATHEAD LAKE  
1791.0

30.9  
MACKAY  
44.2

83.0  
ISLAND PARK  
127.0

10.1  
GRASSY LAKE  
15.2

615.8  
JACKSON LAKE  
847.0

914.1  
PALISADES  
1200.0

1273.4  
AMERICAN FALLS  
1700.0

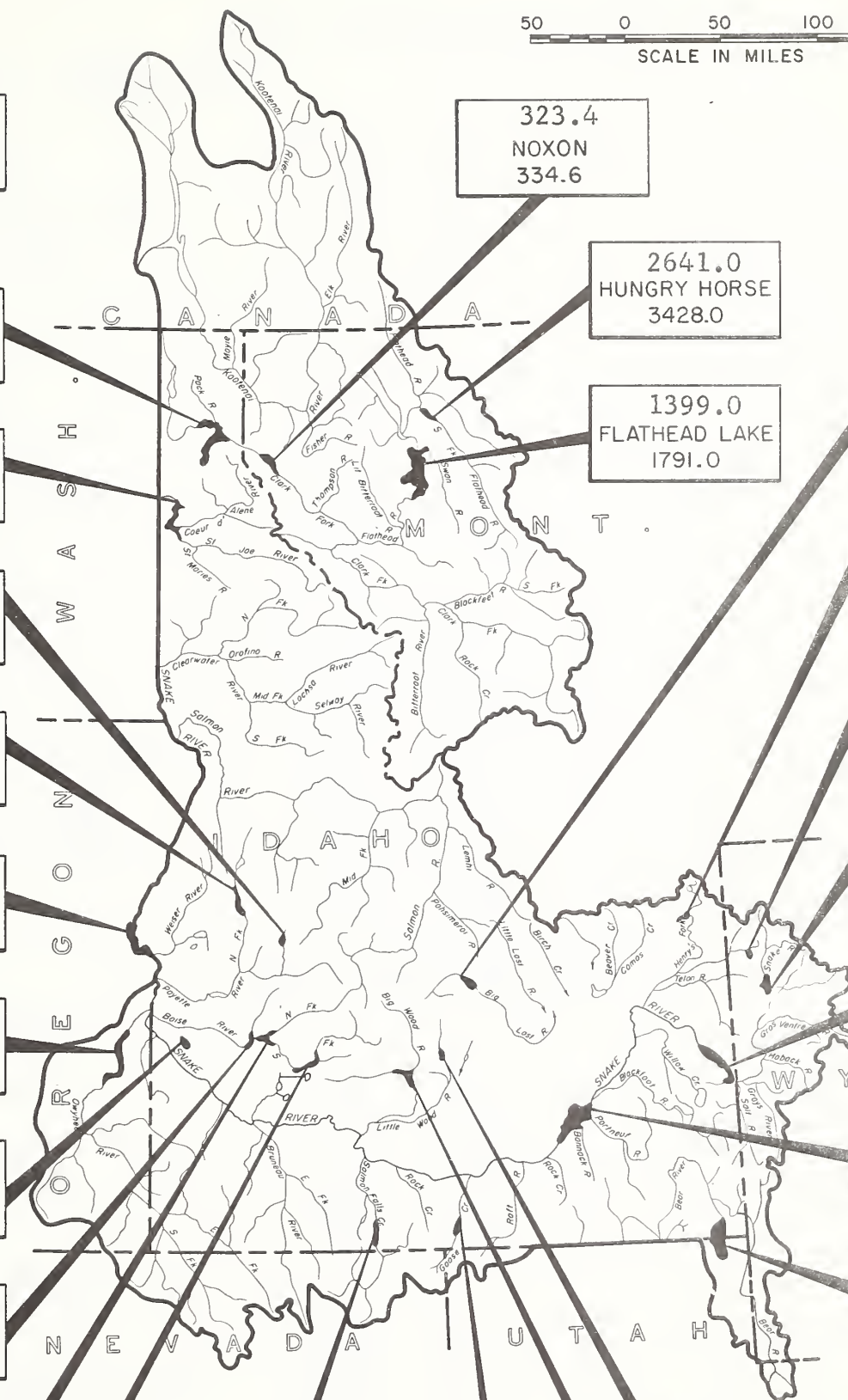
1135.6  
BEAR LAKE  
1421.0

14.6  
LITTLE WOOD  
30.0

41.6  
OAKLEY  
74.4

109.0  
MAGIC  
191.5

92.9  
SALMON FALLS  
182.6







## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average <sup>b</sup>

UPPER COLUMBIA RIVER BASINPEND OREILLE - PRIEST RIVER

Benton Meadow	2344	12/27	T	T	3.8	3.2
Benton Spring	4900	12/27	24	5.8	11.1	8.6
#Mosquito Ridge (SP)	5110	1/3	--	12.0	19.0	--
Schweitzer Bowl	4500	12/27	44	9.7	18.8	--
Schweitzer Ridge	6100	12/27	58	15.3	26.7	--

HAYDEN LAKE

Chilco Ridge	3650	12/27	0	0.0	--	--
Conie Creek Ridge	3900	12/27	0	0.0	--	--
Corner Creek	3200	12/27	0	0.0	--	--
Sage Creek Saddle	4100	12/27	11	4.0	--	--
Ulrich Creek	2850	12/27	0	0.0	--	--

SPOKANE RIVER

Above Burke	4100	12/29	20	5.1	14.0	--
Above Burke (SP)	4100	12/29	--	4.6	13.8	--
Copper Ridge	4800	1/2	23	7.9	--	--
Fourth of July Summit	3100	12/29	0	0.0	9.8	3.5*
Lookout	5250	12/29	42	10.5	19.4	15.7
Lower Sands Creek	3400	12/27	11	3.5	--	--
Mosquito Ridge (SP)	5110	1/3	--	12.0	19.0	--
Sherwin	3200	12/22	6	1.3	11.4	--
Sherwin (SP)	3200	12/22	--	2.7	--	--

LOWER SNAKE RIVER BASINPALOUSE RIVER

Crumarine Creek	3340	12/21	T	0.3	10.2	2.5*
East Twin	4050	12/21	T	1.0	12.0	3.9*
Howard Creek	3450	12/21	0	0.0	8.6	1.6*
Moscow Mountain	4400	12/21	8	2.3	17.3	5.9*
West Twin	4250	12/21	T	1.0	13.5	3.0*

CLEARWATER RIVER

Cayuse Airstrip	3700	12/27	4	0.8	14.0	3.6*
Coolwater Mountain (SP)	6200	1/1	--	8.6	--	--
Cottonwood Butte	5140	12/29	16	3.0	10.4	--
Crater Meadows	6100	12/27	56	16.3	28.2	--
Crooked Fork	3600	12/27	7	2.5	8.6	--
Fish Lake Airstrip	5000	12/27	50	13.6	25.0	16.8*
Hemlock Butte	5500	1/4	70	19.3	39.6	--

(b) 1953-67, 15 year period. #Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average $\delta$
Hemlock Butte (SP)	5500	1/1	--	18.3	--	--
#Hoodoo Basin Mont.	6000	1/3	65	18.1	28.5	--
#Hoodoo Basin (SP) Mont.	6000	1/1	--	17.5	--	--
#Hoodoo Creek Mont.	5900	1/3	64	17.1	27.5	18.0
Lolo Pass	5250	12/27	40	10.6	16.7	--
Lower Snowhaven	5250	12/30	21	4.0	14.0	--
Orogrande Mountain (R)	7800	1/4	--	14.1	--	--
Pierce Ranger Station	3170	1/5	11	2.0	10.2	4.3*
Powell Ranger Station	3410	12/27	6	2.0	7.4	--
Savage Pass	6160	12/27	38	9.0	12.4	--
Savage Pass (New)	6160	12/27	40	9.5	--	--
Shanghai Summit	4600	1/4	27	7.1	19.5	--
Upper Snowhaven	5600	12/30	21	4.6	15.2	--

SALMON RIVER

Big Creek Summit	6600	12/27	49	12.6	19.5	17.0*
#Boulder Creek	5500	1/2	43	9.8	14.2	9.7*
Brundage Mountain	7560	12/29	67	14.5	25.5	--
Chapman Creek	4215	12/30	3	0.2	4.3	1.5*
#Deadwood Summit	7000	1/3	70	19.6	21.0	--
#Deadwood Summit (SP)	7000	1/3	--	19.5	20.5	--
#Galena Summit	8795	12/28	35	7.5	13.4	9.9
#Gibbons Pass Mont.	7100	12/27	41	8.3	12.0	9.6
Johns Creek	3805	12/30	1	0.2	2.9	1.1*
Mill Creek Summit	8870	12/27	32	7.3	12.1	--
Moose Creek	6200	12/29	34	7.2	9.8	--
Morgan Creek	7580	12/26	24	4.8	8.7	--
#Rock Flat Summit	5200	12/29	24	5.2	11.4	6.6
#Secesh Summit	6600	12/29	59	14.0	--	--
#Squaw Meadow	5800	12/29	55	14.3	--	--
Vienna Mine	8900	12/29	49	12.0	--	--
Whitebird Summit	4390	12/30	6	1.3	6.2	2.2*

Lemhi River

Above Gilmore	8200	1/2	16	2.7	6.4	--
Aspen-Hall Pass	8110	1/2	25	4.1	5.6	--
Copes Camp	7500	1/3	18	3.0	3.9	--
Hall Creek	7560	1/2	16	2.5	3.5	--
Meadow Lake	9100	1/2	27	6.1	12.0	--
Schwartz Lake	8500	1/3	24	3.8	5.6	--

(b) 1953-67, 15 year period. #Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
NAME	ELEVATION	DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
<u>SPOKANE RIVER</u>							
Fourth of July Summit	3100	48	11.6	12/29	9.2	10.1	9.8
Lookout	5250	48	11.0	12/29	5.2	6.8	8.2
<u>SALMON RIVER</u>							
Mill Creek Summit	8870	48	9.4	12/27	3.3	4.6	5.8
<u>Lemhi River</u>							
Above Gilmore	8200	60	5.4	1/2	3.4	4.0	2.8
Meadow Lake	9100	48	4.4	1/2	2.1	2.4	2.4



**SNOW**

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average <sup>6</sup>

MIDDLE SNAKE RIVER BASIN - NORTHSIDELITTLE LOST RIVER

Fairview Guard Station	6750	12/26	13	2.0	3.8	1.6*
Lost Garfield	6600	12/26	11	1.5	4.1	1.5*
Moonshine	7450	12/26	23	4.2	8.1	4.8*
Sawmill Canyon	6900	12/26	17	2.7	7.4	3.5*
Wet Creek Summit	7600	12/27	20	4.0	9.2	4.3*

BIG LOST RIVER

Bear Canyon	7920	1/7	25	5.3	--	--
Copper Basin	7650	1/1	11	2.4	--	--
Dry Fork	7340	12/28	26	5.2	--	--
Iron Bog	7650	12/28	27	5.4	7.6	--
Leadbelt	6800	12/28	16	3.2	5.7	--
Stickney Mill	7500	1/7	16	2.5	--	--
White Knob	7700	12/29	19	3.8	7.5	2.9*

FISH CREEK

#Dry Fork	7340	12/28	26	5.2	--	--
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LITTLE WOOD RIVER

#Bear Canyon	7920	1/7	25	5.3	--	--
Garfield Ranger Station	6554	12/29	13	2.6	--	4.2
Muldoon	6300	12/29	12	2.2	--	3.1
Swede Peak	7650	12/29	26	5.5	--	--

BIG WOOD RIVER

#Couch Summit	6950	12/26	29	5.9	9.0	--
Galena	7300	12/28	29	5.8	10.0	7.8
Galena Summit	8795	12/28	35	7.5	13.4	9.9
Graham Ranch	6200	1/2	19	3.8	6.6	5.6
Mascot Mine	7900	12/27	22	5.5	--	--
Mount Baldy	9000	12/29	28	6.0	10.7	8.8
Soldier Ranger Station	6100	12/26	15	3.4	8.8	4.3*
#Vienna Mine	8900	12/29	49	12.0	--	--

BOISE RIVER

Atlanta Summit	7500	12/29	48	11.7	--	--
Bad Bear	5500	1/2	17	4.0	11.0	4.9*
#Bogus Basin	6120	1/2	26	7.5	19.0	8.1
Couch Summit	6950	12/26	29	5.9	9.0	--
Jackson Peak	7000	1/2	49	12.4	--	--

(b) 1953-67, 15 year period. #Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average <sup>6</sup>
Moore's Creek Summit	6100	1/2	43	12.3	20.2	12.3
#Soldier Ranger Station	6100	12/26	15	3.4	8.8	4.3*
Trinity Mountain	7780	12/29	58	15.3	20.3	--
Trinity Mountain (R)	7780	12/29	--	13.0	--	--
#Vienna Mine	8900	12/29	49	12.0	--	--

## PAYETTE RIVER

#Big Creek Summit	6600	12/27	49	12.6	19.5	17.0*
Bogus Basin	6120	1/2	26	7.5	19.0	8.1
#Brundage Mountain	7560	12/29	67	14.5	25.5	--
Cozy Cove	5900	12/29	25	6.6	12.0	5.9
Crawford Ranger Station	4800	12/27	6	2.4	5.5	2.7*
Deadwood Airstrip	5440	12/29	21	4.3	11.3	5.6*
Deadwood Dam	5290	12/29	25	6.1	11.2	6.5
Deadwood Summit	7000	1/3	70	19.6	21.0	--
Deadwood Summit (SP)	7000	1/3	--	19.5	20.5	--
#Jackson Peak	7000	1/2	49	12.4	--	--
Lake Fork	6000	1/5	23	5.8	--	--
Rock Flat Summit	5200	12/29	24	5.2	11.4	6.6
Secesh Summit	6600	12/29	59	14.0	--	--
Squaw Meadow	5800	12/29	55	14.3	--	--

## WEISER RIVER

Boulder Creek	5500	1/2	43	9.8	14.2	9.7*
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## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
<u>LITTLE LOST RIVER</u>							
Fairview Guard Station	5850	42	7.6	12/26	7.4	7.7	7.5
Wet Creek Summit	8175	48	17.1	12/27	13.2	13.0	13.0
<u>BIG WOOD RIVER</u>							
Galena	7300	48	10.1	12/28	5.2	4.6*	5.8
Galena Summit	8795	48	5.8	12/28	Frozen	1.7*	Frozen
<u>BOISE RIVER</u>							
Bogus Basin	6120	48	13.1	1/2	5.9	9.3	--
Bogus Basin Road	4830	48	7.1	1/2	2.9	5.0	5.7
*Fall Measurement							

(b) 1953-67, 15 year period. #Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average <sup>6</sup>

MIDDLE SNAKE RIVER BASIN - SOUTHSIDERAFT RIVER

Howell Canyon	8000	12/28	39	10.5	17.9	9.4*
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GOOSE CREEK

Badger Gulch	6660	12/29	21	5.0	9.7	3.3*
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SALMON FALLS CREEK

#Bear Creek (A)	Nev.	7800	12/26	35	9.8	12.8	6.6*
Cedar Creek (A)		7000	12/26	21	5.9	8.0	--
Deadline		6900	12/28	48	12.6	19.4	8.1*
Goat Creek (A)	Nev.	8800	12/26	36	10.1	12.3	6.8*
#Hummingbird Spgs. (A)	Nev.	8945	12/26	36	10.1	13.1	7.0*
Magic Mountain		6700	12/29	40	9.9	15.5	6.3*
#Pole Creek R. S.	Nev.	8330	12/27	36	10.2	14.9	6.5*
Shoshone Basin		5740	12/28	15	3.4	8.0	--
Wilson Creek (A)		7500	12/26	27	7.6	12.8	--

BRUNEAU RIVER

Bear Creek (A)	Nev.	7800	12/26	35	9.8	12.8	6.6*
Hummingbird Spgs. (A)	Nev.	8945	12/26	36	10.1	13.1	7.0*
Pole Creek R. S.	Nev.	8330	12/27	36	10.2	14.9	6.5*
#Seventy-six Creek (A)	Nev.	7100	12/26	22	6.2	8.0	--

OWYHEE RIVER

#Bear Creek (A)	Nev.	7800	12/26	35	9.8	12.8	6.6*
#Seventy-six Creek (A)	Nev.	7100	12/26	22	6.2	8.0	--
Silver City		6400	12/27	15	3.4	14.2	4.9*
South Mountain		6340	12/27	13	2.6	11.1	3.6*
South Mountain (SP)		6340	12/27	--	3.8	--	--

SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
<u>RAFT RIVER</u>							
Conner Pass	5700	36	9.8	12/28	8.8	6.4	--
Howell Canyon	8000	48	11.5	10/10	8.0*	6.7	9.0
Sheep Hollow	6200	36	7.5	10/11	2.5*	2.5*	--
Sublett	6000	36	6.0	10/11	4.2*	5.0*	--
<u>GOOSE CREEK</u>							
Badger Gulch	6660	36	7.0	12/29	5.8	5.9	--
*Fall Measurement							

(b) 1953-67, 15 year period. #Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.



## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average <sup>b</sup>

UPPER SNAKE RIVER BASINCAMAS-BEAVER CREEKS

Camp Creek	6800	12/29	17	3.1	8.0	3.5
Kilgore	6200	12/29	17	3.1	7.5	3.5*

HENRYS FORK RIVER

Big Springs	6500	1/6	32	7.6	12.4	7.2
Big Springs (New)	6500	1/6	36	7.6	--	--
Grassy Lake	7230	1/2	51	14.5	18.9	13.4
Island Park	6315	1/5	28	5.2	10.6	5.6
Island Park (New)	6315	1/5	28	5.2	--	--
Sawtelle Mountain	8715	1/5	48	12.1	20.7	--
Targhee Pass	7000	1/5	24	4.3	10.0	5.1*
Valley View	6500	1/5	24	4.1	10.8	5.3
White Elephant	7700	1/5	37	9.2	--	--

TETON RIVER

Darby Canyon (A)	Wyo.	8250	12/29	33	8.3	--	--
Freds Mountain	Wyo.	8000	12/30	41	10.3	15.5	--
Pine Creek Pass		6750	12/30	30	7.6	10.7	6.0*
State Line		6400	12/30	22	5.0	8.3	5.4

WILLOW CREEK

Bone	6200	12/27	14	3.3	6.9	--
Ozone	5800	12/27	3	0.7	2.8	--

SAND CREEK

Henry Creek	5650	12/27	8	2.1	5.0	--
Taylor Mountain	6500	12/27	17	3.5	9.5	--

BLACKFOOT RIVER

Slug Creek Divide	7225	12/27	30	7.1	--	--
Somsen Ranch	7000	12/29	29	6.2	10.1	--

PORTNEUF RIVER

Lower Pebble	5800	12/27	21	4.8	11.5	--
Pebble Creek	6550	12/27	28	6.3	11.8	--

(b) 1953-67, 15 year period. #Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.

### \*Fall Measurement

## SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average <sup>b</sup>

GREAT BASINBEAR RIVER

Emigrant Summit	7350	12/27	36	9.8	14.9	8.9*
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Montpelier Creek

Giveout	6840	12/27	24	5.4	6.5	5.0*
Little Beaver	6970	12/27	30	6.8	6.6	6.4*
Montpelier Creek	6570	12/27	17	2.8	4.1	4.1*
Whiskey Flat	6985	12/27	19	4.4	5.4	4.3*

Mink Creek

#Emigrant Summit	7350	12/27	36	9.8	14.9	8.9*
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Cub River

Cub River R. S.	5400	12/29	20	3.8	5.4	--
Willow Flat	6100	12/29	32	6.2	9.0	--

## SOIL MOISTURE

STATION		PROFILE (Inches)		SOIL MOISTURE (Inches)			
		DEPTH	CAPACITY	DATE	THIS YEAR	LAST YEAR	2 YEARS AGO
NAME	ELEVATION						
<u>BEAR RIVER</u>							
Emigrant Summit	7350	36	8.2	12/27	5.4	6.3	5.8
Strawberry Creek	5800	48	12.7	12/29	7.1	10.1	--
<u>Montpelier Creek</u>							
Giveout Pass	7025	36	9.4	12/27	4.0	--	7.3
Jenson Ranch	6580	48	18.7	12/27	8.2	6.6	6.6

(b) 1953-67, 15 year period. #Not located directly on this drainage. \* Estimated 1953-67, 15 year Average. (A) Aerial observation Water content estimated. (SP) Pressure Pillow snow-water equivalent. (R) Radioactive Gage snow-water equivalent.





# Agencies and Organizations Cooperating in Idaho Snow Surveys

## GOVERNMENT AGENCIES

### Canada:

Department of Lands, Forests, and  
Water Resources, British Columbia  
Department of Resources and Development,  
Water Resources Division

### States:

Idaho State Department of Water Administration  
State of Idaho Department of Fish and Game  
University of Idaho  
Idaho State University  
Montana Agricultural Experiment Station  
Montana State Water Conservation Board  
Nevada Cooperative Snow Surveys  
Oregon Agricultural Experiment Station  
Oregon Cooperative Snow Surveys  
Oregon State Engineer and Corps of  
State Watermasters  
Utah Cooperative Snow Surveys  
Wyoming Cooperative Snow Surveys

### Federal:

U. S. Army Engineers  
  
U. S. Department of Agriculture  
Forest Service  
Agriculture Research Service  
  
U. S. Department of Commerce  
NOAA, National Weather Service  
  
U. S. Department of the Interior  
Bonneville Power Administration  
Bureau of Reclamation  
Fish and Wildlife Service  
Water Resources Division, Geological Survey  
Indian Service  
National Park Service  
Bureau of Land Management

## PUBLIC UTILITIES

The Montana Power Company  
Washington Water Power Company  
Idaho Power Company  
Utah Power and Light Company

## ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District  
Boise Project Board of Control  
Little Wood River Irrigation District  
Jordan Valley Irrigation District  
Salmon Falls Creek Irrigation Company  
Twin Falls Soil Conservation District  
Twin Lakes Irrigation Company  
Big Wood Irrigation Company  
Owyhee Project - North & South Board of Control

## PRIVATE CORPORATIONS

Amalgamated Sugar Company

*Other organizations and individuals furnish valuable information for  
snow survey reports. Their cooperation is gratefully acknowledged.*

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